Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A data processing method comprising steps of:

copying data from a first database to a second database while allowing access to the first database by a program during the copying, such that the second database is a duplicate of the first database as a result of the copying;

as a result of an input designating reorganization of the first database, switching a program access allowance from the first database to the second database ~~so that the program is allowed access to~~ and allowing the program to access the second database in place of the access to the first database;

after switching the program access allowance, storing a history of a processing of the program to the second database as a processing history and executing the reorganization of the first database in parallel with the accessing of the program to the second database, the processing history being stored during the execution of the reorganization, and the processing history being stored on a storage system in which the first database and the second database are stored;

upon completion of the reorganization of the first database, updating the first database based on the processing history stored during the reorganization; ~~and~~

upon completion of the updating of the first database based on the processing history stored, switching the program access allowance from the second database to the first database ~~so that~~ and allowing the program ~~is again allowed access to~~ to

2

again access the first database in place of the access to the second ~~database~~ database;

determining whether access to the first database in a replica operation mode is allowed for the program seeking the access, based on a condition of a replica operation of the first database; and

if it is determined that access to the first database in a replica operation mode is allowed for said program, executing said access to the first database in the replica operation mode in parallel with the accessing of the program to the second database, but if it is determined that access to the first database in a replica operation mode is not allowed for said program, causing an error and disabling access to the first database;

wherein the replica operation mode is a mode in which the program access allowance has been switched from the first database to the second database;

wherein said step of determining whether access to the first database in a replica operation mode is allowed includes a step of reading a dynamic access allowance flag from a table using the name of the program seeking the access as a key; and

wherein the access allowance flag indicates whether access to the first database is allowed for the program seeking the access.

2. (currently amended) A data processing device comprising:

means for copying data from a first database to a second database while allowing access to the first database by a program during the copying, such that the second database is a duplicate of the first database as a result of the copying;

means for switching a program access allowance from the first database to the second database as a result of an input designating reorganization of the first database, ~~so that the program is allowed access to~~ and allowing the program to access the second database in place of the access to the first database;

means for storing a history of a processing of the program to the second database as a processing history and executing the reorganization of the first database in parallel with the accessing of the program to the second database after switching the program access allowance, the processing history being stored during the execution of the reorganization, and the processing history being stored on a storage system in which the first database and the second database are stored;

means for updating the first database, based on the processing history stored during the reorganization, upon completion of the reorganization of the first database; ~~and~~

means for switching the program access allowance from the second database to the first database upon completion of the updating of the first database based on the processing history stored, ~~so that the program is again allowed access to~~ and allowing the program to again access the first database ~~in place of the access to the second database~~ in place of the access to the second ~~database~~ database;

means for determining whether access to the first database in a replica operation mode is allowed for the program seeking the access, based on a condition

of a replica operation of the first database;

means, if it is determined that access to the first database in a replica operation mode is allowed for said program, for executing said access to the first database in the replica operation mode in parallel with the accessing of the program to the second database; and

means, if it is determined that access to the first database in a replica operation mode is not allowed for said program, for causing an error and disabling access to the first database;

wherein the replica operation mode is a mode in which the program access allowance has been switched from the first database to the second database;

wherein said means for determining whether access to the first database in a replica operation mode is allowed includes means for reading a dynamic access allowance flag from a table using the name of the program seeking the access as a key; and

wherein the access allowance flag indicates whether access to the first database is allowed for the program seeking the access.

3. – 21. (canceled)

22. (currently amended) A computer-readable recording medium storing a data processing program comprising codes, wherein the data processing program, when executed on a data processing device, causes the data processing device to perform a method comprising the steps of:

copying data from a first database to a second database while allowing access to the first database by a program, and, as a result of an input designating reorganization of the first database, switching a program access allowance from the first database to the second database ~~so that the program is allowed access to~~ and allowing the program to access the second database in place of the access to the first database;

after switching the program access allowance, storing a history of a processing of the program to the second database as a processing history and executing the reorganization of the first database in parallel with the accessing of the program to the second database, the processing history being stored during the execution of the reorganization, and the processing history being stored on a storage system in which the first database and the second database are stored;

upon completion of the reorganization of the first database, updating the first database based on the processing history stored during the reorganization; ~~and~~

upon completion of the updating of the first database based on the processing history stored, switching the program access allowance from the second database to the first database ~~so that the program is again allowed access to~~ and allowing the program to again access the first database in place of the access to the second ~~database~~ database;

determining whether access to the first database in a replica operation mode is allowed for the program seeking the access, based on a condition of a replica operation of the first database; and

if it is determined that access to the first database in a replica operation mode is allowed for said program, executing said access to the first database in the replica

6

operation mode in parallel with the accessing of the program to the second database, but if it is determined that access to the first database in a replica operation mode is not allowed for said program, causing an error and disabling access to the first database;

wherein the replica operation mode is a mode in which the program access allowance has been switched from the first database to the second database;

wherein said step of determining whether access to the first database in a replica operation mode is allowed includes a step of reading a dynamic access allowance flag from a table using the name of the program seeking the access as a key; and

wherein the access allowance flag indicates whether access to the first database is allowed for the program seeking the access.

23. – 25. (canceled)